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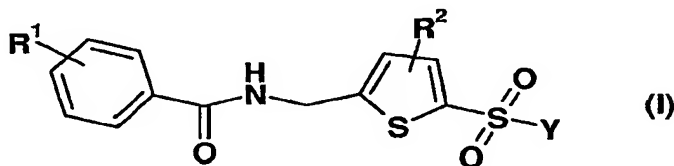
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(54) Title: **SULFONAMIDE DERIVATIVES FOR THE TREATMENT OF DIABETES**



(I)

(57) Abstract: The present invention is related to
the use of sulfonamide derivatives in the treatment
of metabolic disorders mediated by insulin resistance
or hyperglycemia, comprising diabetes type II,
inadequate glucose tolerance, insulin resistance,
obesity, polycystic ovary syndrome (PCOS). Formula
(I). R¹ is selected from the group comprising or
consisting of hydrogen, C₁-C₆-alkoxy, C₁-C₆-alkyl,
C₂-C₆-alkenyl, C₂-C₆-alkynyl, amino, sulfanyl,

sulfinyl, sulfonyl, sulfonyloxy, sulfonamide, acylamino, aminocarbonyl, C₁-C₆ alkoxy carbonyl, aryl, heteroaryl, carboxy, cyano,
halogen, hydroxy, nitro, hydrazides. R² is selected from the group comprising or consisting of hydrogen, COOR³, -CONR³R^{3'}, OH,
a C₁-C₄ alkyl substituted with an OH or amino group, a hydrazido carbonyl group, a sulfate, a sulfonate, an amine or an ammonium
salt. Y is an 4-12-membered saturated cyclic or bicyclic alkyl containing at least one nitrogen atom, whereby one nitrogen atom
within said ring is forming a bond with the sulfonyl group of formula I thus providing the sulfonamide.